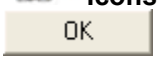
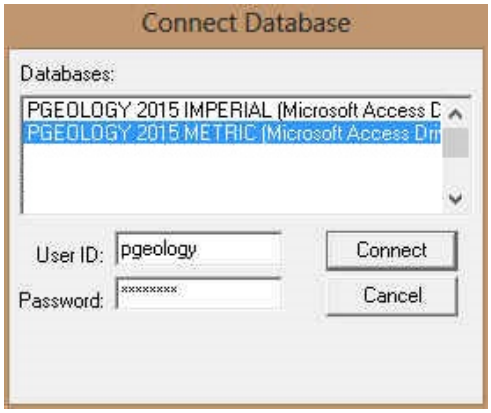
Power*Suite Daily Office Procedures

Program Activation

1.) **Double click** on the **Power*Log, Power*Curve or Power*Core** **Icons** on your desktop.

Acknowledge the Security Information window by **clicking** on the  **button**. This will initiate the program and activate a **Connect Database** window.



- **Connecting to a Database…**

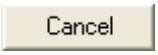
2.) **Highlight the database** you wish to connect to by **clicking on it once**. The default after loading the PowerSuite software is the **PGEOLOGY 2015 METRIC (Microsoft Access Driver [*.mdb])**.

3.) The user can simply **Tab** to the **Password field or Type** in your **User ID.** The default User ID is "**pgeology**" and is displayed as the default in this field.

4.) **Type** in your **Password.** (The default **Password** is "**pgeology**").

5.) **Click** on the **button** to complete the connection or **Press** the **Enter key** on your keypad. This will activate the Open Log window.

Note: To change the password refer to the Power*Suite Database Management Tool.

6.) **Click** on the  **button** to close this window. Then, you can import the new data files.

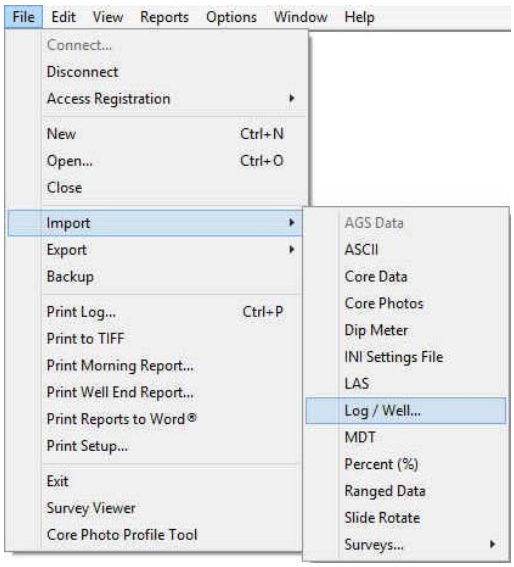
Note: If you have received our .exp files via email, you must first detach or save these files somewhere on your hard drive or network drive.

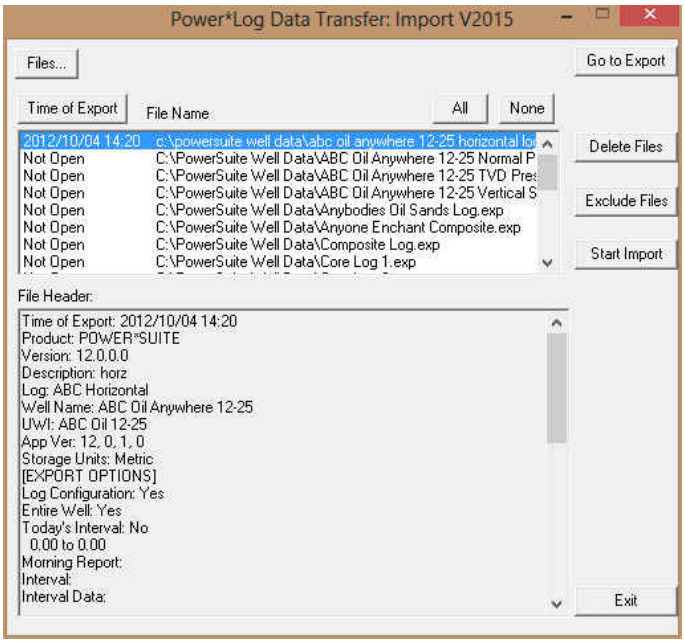
Data Import

(refer to page 78 in the User Manual)
(On-line help press F1 key on keypad)

If the **data file *.exp** is attached to an email the user must first detach the file or save it to a place so that it can be found within your file format structure to import.

1.) **Select Import**, under **File Menu**, and then **select Log / Well** from the sub-menu. Or, you can use the **Import button** on the **Toolbar**. This will activate the **Import** window





1.) **Click** on the Files... **button**. This will activate the Import from window.

2.) Select the appropriate drives and or directories as well as files you wish to import by **highlighting the file name** and **clicking** the OK **button**. This will place the selected files into the Power*Log Data Transfer: Import V 2015 Window. Repeat this step as many times as necessary.

N.B. Any of our exported files will have an *.exp extension. If the files are corrupted a message will tell you so. Some files may be encrypted and you will have to decrypt the files using the appropriate decryption password using all upper case letters.

3.) **Highlight** the **files** you wish to import by clicking on the **file name**.

4.) Once the files are selected (highlighted) **click** on the Start Import **button**. This will activate a message box asking, *"Do you really want to import the highlighted files?"*

5.) **Click** on the Yes **button** to begin the file importation. When the files have been imported you will be presented with a message window stating "Data has been imported successfully."

N.B. If an exported file had the option of an entire well activated a message box will appear asking the user ***"About to IMPORT ENTIRE WELL data. All information associated with this well in the database will be overwritten. Continue?"*** **Click** on the Yes **button** if the file is newer than the data you have or click on the No **button** if the file is older than the information you already have.

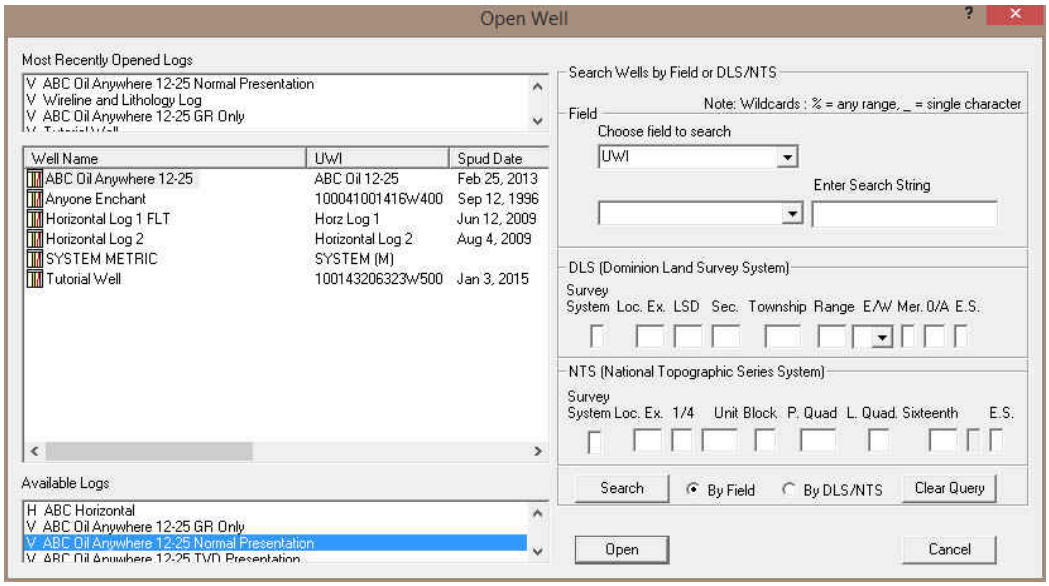
6.) **Click** on the OK **button** to acknowledge this message box.

7.) **Click** on the Exit **button** to put you back into the main Power*Suite window.

Open Well / Log

(refer to page 26 in the User Manual)
(On-line help press F1 key on keypad)

1.) To view a log presentation of the wells' data you must first open the log. **Click** on the **Open Log button** or select **Open**, under the **File** menu pull down, to activate the **Open Log** window shown below:



2.) In the Well List locate the well you wish to open either by querying or scrolling through the Well List portion of the window and **Click** on the **Well Name** so it becomes highlighted, and the logs available for that well will appear in the **Log List** portion of the window.

3.) In the Log List **Click** on the **log name** you want to open. It will become highlighted.

4.) **Click** on the

button and the selected log will open accordingly. Please keep in mind that **Power*Log / Core & Curve™** allows you to have multiple logs open at once.

The **Recent Logs** portion of the window indicates the last 10 logs / wells opened. You may wish to select one of these rather than looking through the well list. Also if you are reopening the last well used it is already highlighted in the Recent Logs list and can be reopened easily by clicking on the

button or by depressing your enter key on your keypad.

Note: Logs with the letter "**V**" in front of their names are Vertical logs, and can only be used within **Power*Log** or **Power*Core™**. Likewise, **Logs** with the letter "**H**" in front of their names are Horizontal logs, and can only be used within **Power*Curve™.**

N.B. If a well / log is already open and you have imported an updated file, the user must **click** on **Option** on the Menu Bar and **click** on **Refresh Data** and the well / log will be updated with the new updated database entries.

- **To scroll** click on the up/down arrows to scroll ¼ page, the space between the thumb and the arrow for a page up/down, or if the print section has been completed pull the thumb up or down to go to the start or end of a log. If your mouse has a roller wheel you can use that as well to scroll the log.
- To go directly to a depth on the log, type a number in the **go to depth box** on the toolbar and then **tab** out of the box to place that depth at the top of the log.
- To **change screen scales** either select a scale from the pull down menu on the toolbar or type a scale between 1:1 and 1:5000 to view the log in a different scale. The screen default scale is 1:240.

Striplog Printing

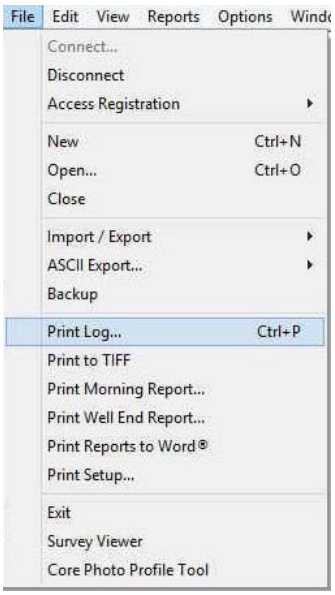
(refer to page 126 the User Manual)
(On-line help press F1 key on keypad)

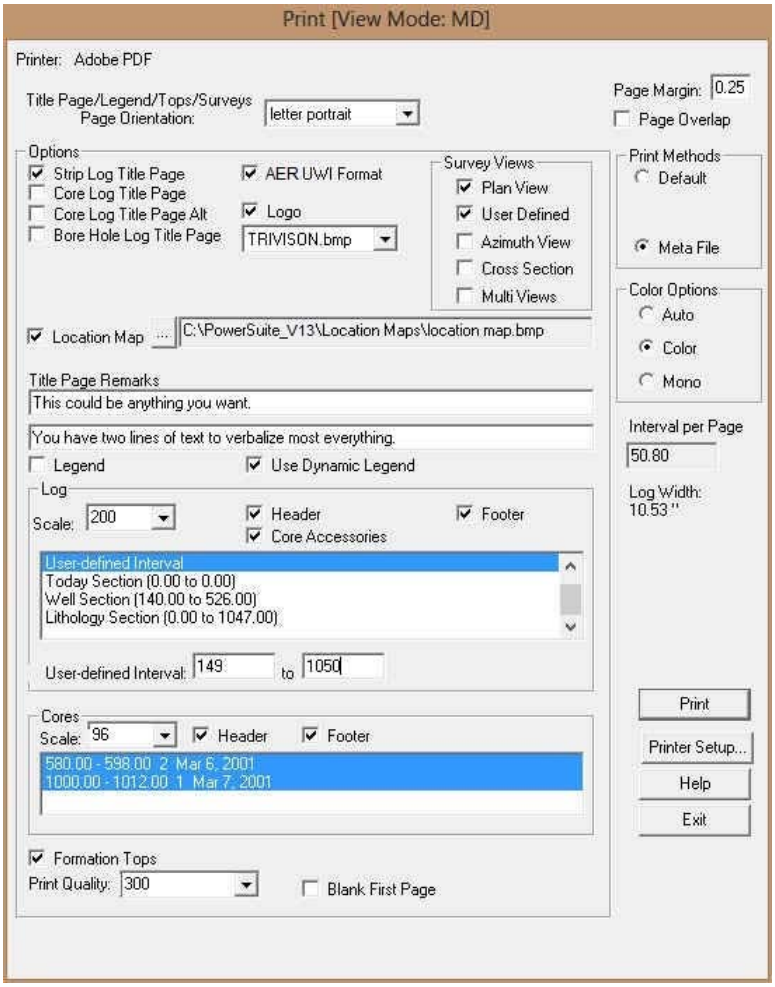
Print Log to a Printer Device Driver

Prints all or part of your log/well along with the Title page, location map, legends, survey views, individualized cores and formation tops on a continuous or single sheet basis

1. Under the **File** menu selection, **click** on **Print Log or click** on the **Print button** on the Toolbar to activate the **Print Log** window shown below:

Note: The Title bar and all depths associated with the Print Log window are defaulted to the Depth View that Power*Log is in at the time of the activation of the Print Log window.





2.

Select the appropriate paper orientation from this drop box field and the **Title Page**, **Legend**, and **Formation Tops** will automatically conform to the selected orientation. There are four (6) types of paper orientation to choose from: **letter (8.5"x11") portrait or landscape, legal (8.5"x14")portrait or landscape, tabloid (11"x15") portrait or landscape** settings

Note: The letter, legal or tabloid landscape or portrait settings selected from within the **Print Log** window will NOT override the paper orientation settings selected in the printer's **Properties** window. Therefore, you must also modify the paper orientation settings in your printer's **Properties** window to letter or legal landscape.

3.

Activate this check box ☑, if you wish to printout a full Version of the Title Page.

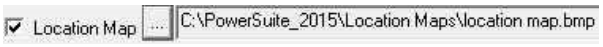
4. AER UWI Format If you are printing the Striplog Title page and you are in Alberta the AER format should be selected.

N.B. This format changes our UWI printout from 100121605812W500 to 00/12-16-058-12W5/0 only on the Striplog Title page. All other UWI formats remain the same.

5. Core Log Title Page Activate this check box, if you wish to printout an abbreviated version of the Core Log Title Page.
6. Core Log Title Page Alt Activate this check box, if you wish to printout an abbreviated version of the Core Log alternate title Page.
7. Sample Log Title Page Activate this check box, if you wish to printout an abbreviated version of the Sample Log Title Page.

8. Activate this check box, if you wish to printout a logo, and then select a logo from the **Logo** drop box field.

Note: The logo file format must be a bitmap image file (*.bmp) if you want a logo printed out on the title page. Also, it is recommended that the bitmap image should be a square image, because **Power*Suite** will shrink or expand the image to fit the logo space on the **Title Page**. This bitmap must be placed in the **Powersuite_2015\logo** directory for the application to find it.

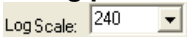
9. 

Activate this check box, if you wish to printout a location map following the title page, and then the user select a location map from your computers drives by clicking on the ... and finding the file you want to print out as a location map.

Note: The Location map file format must be a bitmap image file (*.bmp) if you want a location map to be printed out. Also, the bitmap image must be a square image, because **Power*Suite** will shrink or expand the image to fit the location map space following the **Title Page**. This bitmap can be placed anywhere as the file location is saved within the Power*Suite ini file.

10. Type any pertinent comments into the **Title Page Remarks** field and they will be displayed accordingly on the **Strip Log Title Page only**.
11. Survey views Plan View Activate this check box, if you wish to have the plan view (view of the well bore from surface) printed out in the striplog header as captured in the Survey View application.
12. Survey views User Defined Activate this check box, if you wish to have the user defined view (view of the well bore as manipulated by the user) printed out in the striplog header as captured in the Survey View application.
13. Survey views Azimuth View Activate this check box, if you wish to have the azimuth view (view of the well bore along the target azimuth) printed out in the striplog header as captured in the Survey View application.
14. Survey views Cross Section Activate this check box, if you wish to have the cross section view (view of the well bore at right angles to the target azimuth) printed out in the striplog header as captured in the Survey View application.
15. Survey views Multi Views Activate this check box, if you wish to have all the views printed out in the striplog header as captured in the Survey View application.
16. Legend Activate this check box, if you wish to have our entire legend printed out.
17. Use Dynamic Legend Activate this check box, if you wish to have the legend r**eflect only the symbols printed on the log or core portions of the printed intervals defined in the log and core portions of the print log window.**

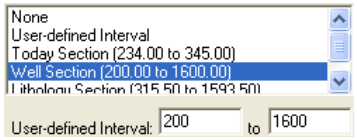
In the Log portion of the Print Log window

18. 

Select or type in the **Scale** for the main log to be printed out at, in the **Scale** drop box field.

Note: If you see 2" or some other inch related printing scale and you want to see a ratio type scale Change the System Options under the Options pull down menu and activate the Display Tab and Activate this check box beside Use Metric Style Scales.
The **Well Section** interval is derived from the **Top** and **Base Depth** values entered into the **Print Sections** window under the **Edit** pull down menu. (see **Print Sections**).
The **Lithology Section** interval is derived from what has been drawn into the interpretive lithology track of the well that is being printed.

19. Header Activate this check box to have the track headers printed out with the main log.
20. Footer Activate this check box to have the track footers printed out with the main log.



21. Core Accessories Activate this check box to have the core accessories printed out on the main log.
22. Highlight the main log printing options in the selection box. The user can select either **None**, **User-defined Interval** (requires that you manually enter the desired print interval depths), **Today Section**, **Well Section**, or **Lithology Section**.

Note: Today Section interval is derived from the **From** and **To** Depth values entered into the **Today's Section** portion of the Power*Log Data Transfer: Export window.
The **Well Section** interval is derived from the **Top** and **Base Depth** values entered into the **Print Sections** window under the **Edit** pull down menu. (see **Print Sections**).
The **Lithology Section** interval is derived from what has been drawn into the interpretive lithology track of the well that is being printed.

23. If user **defined interval** is ch**osen the user can select which depth type, either measured depth, true vertical depth or subsea level depth from the depth measurement drop box. The user must also type in the depth interval to be printed.**

Note: The log itself must be displayed in whatever depth view you wish to print before you activate the print log window. To change the log to the desired format, refer to depth view under the view pull down menu.

In the Cores portion of the Print Log Window

24. If you are printing out a **Core** log on the tail of the striplog, select the **Cores** you wish to print by highlighting them.
25. Cores Scale: 120 Select or type in the **Scale** for the core log to be printed out at in the **Scale** drop box field.
26. Header Activate this check box to have the track headers printed out with the core log.
27. Footer Activate this check box to have the track footers printed out with the core log.

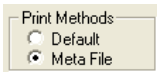
Note: A separate **Header Information Box** is automatically printed out with every **Core** and includes the **Core Scale**, **Core Date**, **Core Number**, **Cored Interval**, **Amount Cut**, **Amount Recovered**, and **Percentage**.

**A value must be entered into the Core Scale field in order to printout anything. **

28. Formation Tops Activate this check box if you wish to printout **Formation Tops** and the **Formation Tops** will be included on a separate page at the end of the log printout.

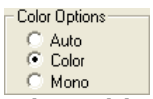
Page Margin: 0.25 The page margin field is **available, primarily, when you are printing to Adobe Acrobat writer. When a numerical value in inches is typed into this field it will initiate a top and left margin for the templates (Title Page, Legend and Formation Tops) as well as a left margin for the main log.**

Page Overlap Activate this check box if you are printing on single sheets. This will force the printer to include an additional 1/4 inch of the log at the top and bottom of each page, so that you can cut-and-paste pages manually**, if you so desire.**



Default Activating the default radio button forces Power*Log / Core & Curve to use a **raster or bitmap graphic printing method.** This printing method is generally used with Laser printers but not exclusively so.

Meta File Activating the **Meta File** radio button forces Power*Log / Core & Curve to use the **meta file technology printing method**. This printing method was developed for the newer models of printers on the market today as well as using the Adobe Acrobat Distiller or pdf printing technology.



Auto Activating the Auto radio button forces Power*Log / Core & Curve to use the settings from the printer driver to printout the log.
Color Activating the Color radio button forces Power*Log / Core & Curv**e to override the printer driver settings and consequently Power*Log / Core & Curve assumes that you are using a color printer.**

Mono Activating the Mono radio button ◉ forces Power*Log / Core & Curve to override the printer driver settings and consequently **Power*Log / Core & Curve assumes that you are using a monochrome (black and white) printer.**

29. **Click** on the [Printer Setup...] **button** to activate the **Print Setup** window and confirm that the correct printer settings are in effect.

Note: If you are printing out logs in color, you must activate the **Diffusion** or **Error Diffusion** option normally found under **Graphics** in the **Properties** window for most printers.

30. **Interval per page** field indicates how many meters of log will fit on a page of selected paper size and orientation selected **in the setup as well as what log scale you are printing at. This will help indicate to the user how many pages will be required by the print job.**
31. ☐ Blank First Page Activate this check box ☑ if the user wishes to have a blank page before the logs starts. Th**is could be useful if utilizing continuous paper when you want the title page oriented on the correct side of the pre folded paper.**
32. When you are ready to print your log, **click** on the [Print] **button**.

Note: If you do **exit** from the **Print Log window**, you will be ask**ed if you wish to save the print settings. If you click on Yes,** the program will remember every setting that you made to the **Print Log** window and then will default to those settings the next time you enter the Print Log window

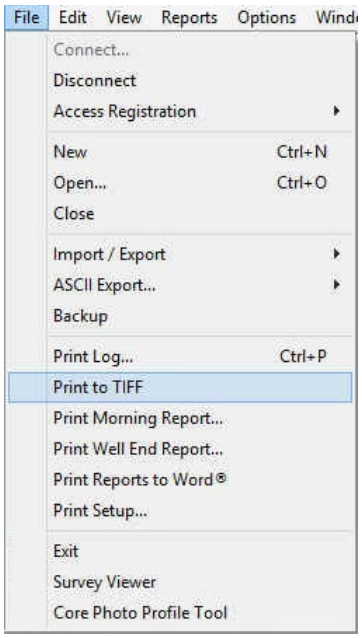
Print to TIFF (file format)

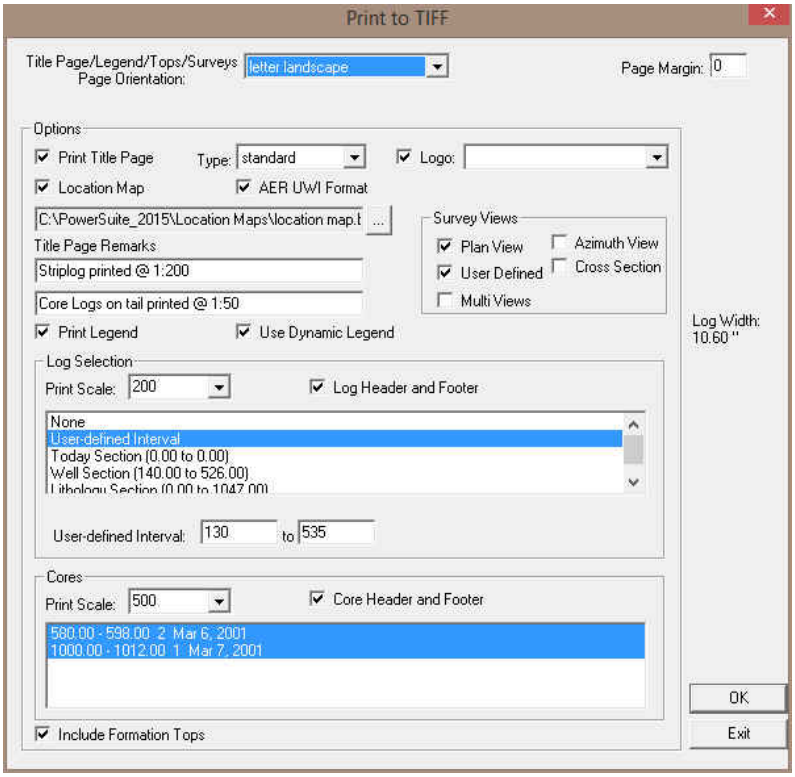
(refer to page 129 in the User Manual)
(On-line help press F1 key on keypad)

Prints all or part of your log/well along with the Title page, location map, legends, survey views, individualized cores and formation tops on a continuous basis in a tiff file format.

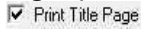
1. Under the **File** menu selection, **click** on **Print to TIFF or click** on the **Print to TIFF button** on the Toolbar to activate the **Print to TIFF** window shown below:

Note: The depth views associated with the Print TIFF window are defaulted to the Depth View that Power*Log / Curve / Core is in at the time of the activation of the Print to TIFF window.

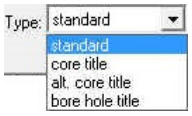


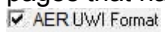


2.

Select the appropriate paper orientation from this drop box field and the **Title Page**, **Legend**, and **Formation Tops** will automatically conform to the selected orientation. There are four (6) types of paper orientation to choose from: **letter (8.5"x11") portrait or landscape, legal (8.5"x14")portrait or landscape, tabloid (11"x15") portrait or landscape** settings.
3. 

Activate this check box ☑, if you wish to printout a Title Page.
4. The Type (Title Page) drop box displayed on the right allow you to pick the appropriate title page format to print. The standard selection prints out our full blown title page with most of the Wells data. You can also select our abbreviated title pages that handle core and borehole logs



5. 

If you are printing the Standard Title page and you are in Alberta the AER format should be selected.

N.B. This format changes our UWI printout from 100121605812W500 to 00/12-16-058-12W5/0 only on the Striplog Title page. All other UWI formats (DLS and NAME) remain the same.

6. Activate this check box ☑, if you wish to printout a logo, and then select a logo from the **Logo** drop box field.

Note: The logo file format must be a bitmap image file (*.bmp) if you want a logo printed out on the title page. Also, it is recommended that the bitmap image should be a square image, because **Power*Suite**

will shrink or expand the image to fit the logo space on the **Title Page**. This bitmap must be placed in the **Powersuite_2015\logo** directory for the application to find it.

7. Type any pertinent comments into the **Title Page Remarks** field and they will be displayed accordingly on the **Strip Log Title Page only**.
8. ☑ Location Map C:\PowerSuite_2015\Location Maps\location map.t ... Activate this check box☑, if you wish to printout a location map following the title page, and then the user select a location map from your computers drives by clicking on the ... and finding the file you want to print out as a location map.

Note: The location map file format must be a bitmap image file (*.bmp) if you want a location map to be printed out. Also, the bitmap image must be a square image, because **Power*Suite** will shrink or expand the image to fit the location map space following the **Title Page**. This bitmap can be placed anywhere as the file location is saved within the Power*Suite ini file.

9. Survey views ☑ Plan View Activate this check box ☑, if you wish to have the plan view (view of the well bore from surface) printed out in the striplog header as captured in the Survey View application.
10. Survey views ☑ User Defined Activate this check box ☑, if you wish to have the user defined view (view of the well bore as manipulated by the user) printed out in the striplog header as captured in the Survey View application.
11. Survey views ☑ Azimuth View Activate this check box ☑, if you wish to have the azimuth view (view of the well bore along the target azimuth) printed out in the striplog header as captured in the Survey View application.
12. Survey views ☑ Cross Section Activate this check box ☑, if you wish to have the cross section view (view of the well bore at right angles to the target azimuth) printed out in the striplog header as captured in the Survey View application.
13. Survey views ☑ Multi Views Activate this check box ☑, if you wish to have all the views printed out in the striplog header as captured in the Survey View application.
14. ☐ Legend Activate this check box ☑, if you wish to have our entire legend printed out.
15. ☐ Use Dynamic Legend Activate this check box ☑, if you wish to have the legend r**eflect only the symbols printed on the log or core portions of the printed intervals defined in the log and core portions of the print log window.**

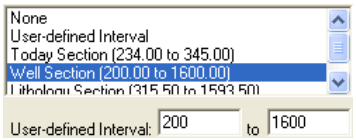
In the Log portion of the Print Log window

16. Log Scale: 240 Select or type in the **Scale** for the main log to be printed out at, in the **Scale** drop box field.

Note: If you see 2" or some other inch related printing scale and you want to see a ratio type scale Change the System Options under the Options pull down menu and activate the Display Tab and Activate this check box ☑ beside Use Metric Style Scales.

The **Well Section** interval is derived from the **Top** and **Base Depth** values entered into the **Print Sections** window under the **Edit** pull down menu. (see **Print Sections**).
The **Lithology Section** interval is derived from what has been drawn into the interpretive lithology track of the well that is being printed.

17. ☑ Log Header and Footer Activate this check box ☑ to have the track headers /footers printed out with the main log.
18. ☐ Core Accessories Activate this check box ☑ to have the core accessories printed out on the main log.
19. Highlight the log printing options in the selection box. The user can select either **None**, **User-defined Interval** (requires that you manually enter the desired print interval depths), **Today Section**, **Well Section**, or **Lithology Section**.



Note: Today Section interval is derived from the **From** and **To** Depth values entered into the **Today's Section** portion of the Power*Log Data Transfer: Export window.
The **Well Section** interval is derived from the **Top** and **Base Depth** values entered into the **Print Sections** window under the **Edit** pull down menu. (see **Print Sections**).

The **Lithology Section** interval is derived from what has been drawn into the interpretive lithology track of the well that is being printed.

20. If user **defined interval** is ch**osen the user can select which depth type, either measured depth, true vertical depth or subsea level depth from the depth measurement drop box. The user must also type in the depth interval to be printed.**

Note: The log itself must be displayed in whatever depth view you wish to print before you activate the print log window. To change the log to the desired format, refer to depth view under the view pull down menu.

In the Cores portion of the Print Log Window

21. If you are printing out a **Core** log on the tail of the striplog, select the **Cores** you wish to print by highlighting them.
22. Cores Scale: 120 Select or type in the **Scale** for the core log to be printed out at in the **Scale** drop box field.
23. Core Header and Footer Activate this check box to have the track headers / footers printed out with the core log.

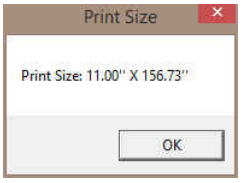
Note: A separate **Header Information Box** is automatically printed out with every **Core** and includes the **Core Scale**, **Core Date**, **Core Number**, **Cored Interval**, **Amount Cut**, **Amount Recovered**, and **Percentage**.

**A value must be entered into the Core Scale field in order to printout anything. **

24. Formation Tops Activate this check box if you wish to printout **Formation Tops** and the **Formation Tops** will be included on a separate page at the end of the log printout.

Page Margin: 0.25 The page margin field is available, primarily, when you are printing to Adobe Acrobat writer. **This is not necessary for printing to tiff file format**

25. When you are ready to print your log, **click** on the Print **button**.
26. This will activate a message box indicating the size of your printout. Click on the OK button.
27. This will activate a file name window which should be filled in with your file name and location to where you can locate it for further reference.



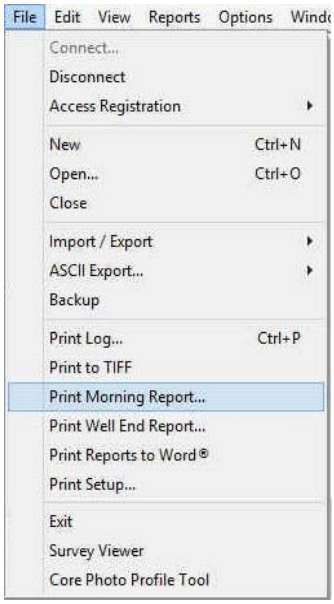
Note: If you do **exit** from the **Print to TIFF window**, you will be ask**ed if you wish to save the print settings. If you click on Yes,** the program will remember every setting that you made to the **Print to TIFF** window and then will default to those settings the next time you enter the Print to TIFF window

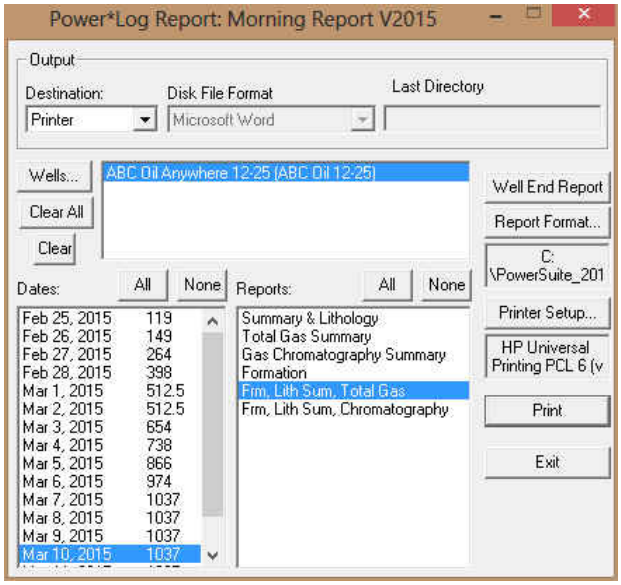
Print Morning Reports

(refer to page 132 in the User Manual)
(On-line help press F1 key on keypad)

Crystal Format

1. Under the **File** menu selection, **click** on **Print Morning Report** or click on the **Morning Report button** on the **Toolbar** to activate the **Print Morning Report** window shown below:





Printing Morning Reports…

1. Select the printing destination from the **Output** field (in the upper left corner of the **Morning Report** window), drop box arrow: **Printer**, **Preview**, or **Disk File**. The **Preview** option allows you to see what your report looks like before it is printed.

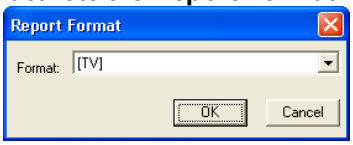
Note: The **Preview** option will only preview one report at a time. Accordingly, when you wish to preview a specific report, please be sure that no other reports are selected / highlighted.

2. If printing to a **Disk File** (on your hard drive or to a flash drive), select the file format from the **Disk File Format** field drop box arrow. If you want to print the report to **MS Word** then you should use the **Print to Word** Option under the **File** pull down **menu**.
3. You can select a different well other than the default well by **clicking** on the Wells... **button** and then double click on the desired **Well** from the ensuing **Well List** window. Please note that you may select numerous **Wells**, from the **Well List** window, for printing. Once you have selected your **Well(s)**, you will then be returned to the **Morning Report** window.

Only the selected/highlighted well and their selected/highlighted reports will be printed. *

To highlight a **Well**, click on it once. To remove a **Well** from the **Well List** field, highlight the **Well** and click on the Clear **button**. To remove all of the **Wells** from the **Well List** field, click on the Clear All **button**. Note that these buttons will not remove any of the **Wells** from the database. These buttons will only remove the **Wells** from the list of **Wells** currently available for printing.

4. Highlight the appropriate **Morning Report** (listed by **Date**), and the related reports that you wish to print. You may click on the All **button** to print all of the **Morning Reports** from that **Well**. Conversely, to deactivate all of the **Morning Reports**, simply click on the None **button**.
5. **Click** on the Report Format... **button** to activate the **Report Format** window.



Using the **Format** field drop down arrow, click on the style of **Report Format** that you wish to use. Then, **click** on the OK **button**, when you are finished.

Note: TV Morning Report **Formats** include the **Daily and Accumulative Costs** and the **PS** Morning Report **Formats** do not.

6. **Click** on the Printer Setup... **button** and then select the 8.5" x 11" Portrait paper size.
7. **Click** on the Print **button**.
8. If you have selected the Disk file option from the destination out put drop box you will be prompted with a Save As window. Type in the in a **five (5) character (or less)** filename and **click** on the Save **button**. **Power*Log / Core & Curve ™** will then attach an extra two (2) characters to the end of your filename to create a seven (7) character filename--preceding the standard three (3) character file extension. The two (2) characters added by **Power*Log / Core & Curve ™** on to the end of the five (5) characters you have typed in are used as a reference by **Power*Log / Core & Curve ™** to distinguish which reports are to be included in the files you are creating. Finally, the standard three (3) character file extension following the dot or period, will be selected according to the file format you selected in the **Disk File Format** field, e.g. **MS Word** documents will use the .DOC file extension.

For example, if the five (5) characters you chose for a file name were "***Trial***" and you chose to print all **Morning Reports** with multiple days (and your **Disk File Format** was **ASCII**), you would end up with the following six (6) files:

TRIALLT.txt	Summary and Lithology Report
TRIALTG.txt	Total Gas Summary Report
TRIALGS. txt	Gas Chromatography Summary Report
TRIALFM. txt	Formation Report
TRIALSC. txt	Formation, Lithology Summary and Chromatography
TRIALSG. txt	Formation, Lithology Summary and Total Gas

Note: You can then use a word processor, like MS Word, to access these files.

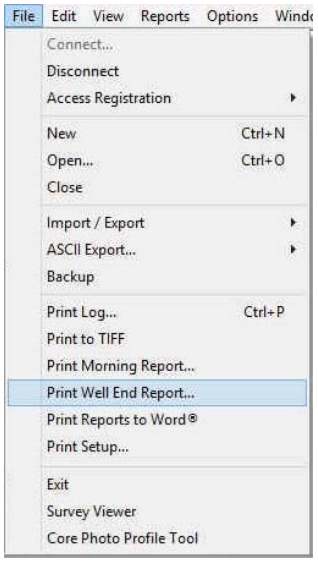
Formation Tops are automatically created in a **Morning Report**, if the depths specified fall within the range of the **Morning Reports**, two days prior to the day of printing. In order to have the **Formation Tops** printed, you must enter data into at least two **Morning Report Date** and **Depth** fields, prior to printing. **Power*Log/Curve™** searches for the **Depth** information to locate the **Formation Tops** it should include for the **Date** selected.

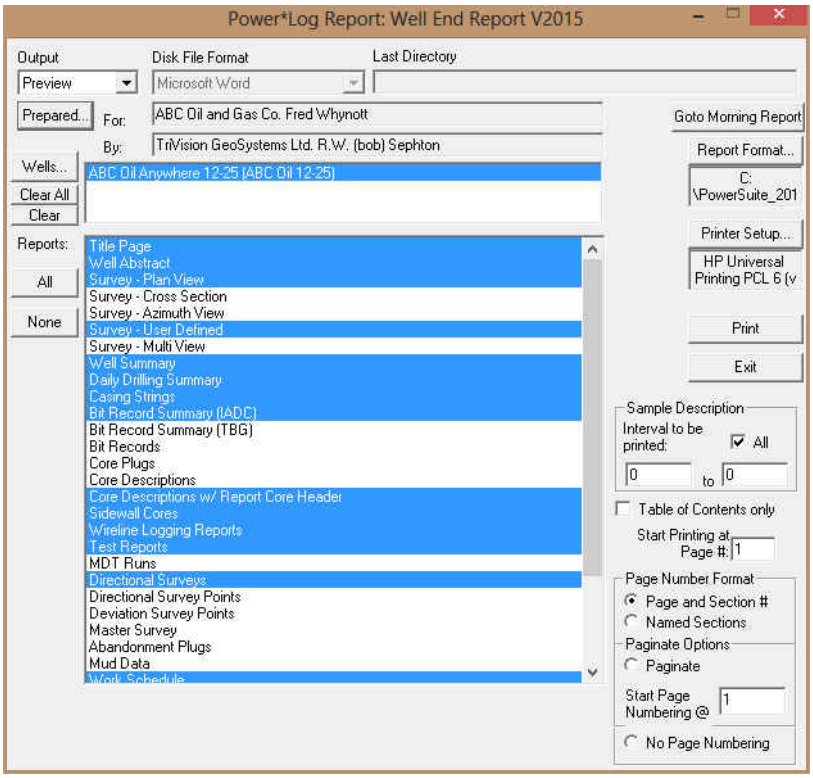
Note: When you exit from the **Print Morning Report** window, you will be asked if you want to save the print configuration. If you click on **Yes,** the program will remember every setting that you made to the window and will default to these settings the next time you enter the window.

Print Well End Reports

(refer to page 133 in the User Manual)
Crystal Format
(On-line help press F1 key on keypad)

Under the File menu selection**, select Print Well End Report or click** on the **Well End Report button** on the Toolbar to activate the **Print Well End Report** window shown below.





Printing a Well End Report…

1. Select the printing destination from the **Output** field (in the upper left corner of the **Well End Report** window), drop box arrow: **Printer**, **Preview**, or **Disk File**. The **Preview** option allows you to see what your report looks like before it is printed. Note, however, that the **Preview** option will only preview one report at a time. Accordingly, when you wish to preview a specific report, please be sure that no other reports are selected / highlighted.

Note: To select or configure a specific printer, **click** on the Printer Setup... **button**.

2. If printing to a **Disk File** (on your hard drive or to a flash drive), select the file format from the **Disk File Format** field drop box arrow.
3. If the default well is not the well you want to print from then you can select a **Well** for printing by clicking on the Well... **button** and then double **click** on the desired **Well** from the ensuing **Well List** window. Please note that you may select numerous **Wells**, from the **Well List** window, for printing. Once you have selected your **Well(s)**, you will then be returned to the **Well End Report** window

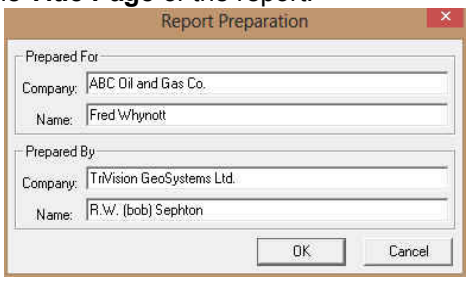
Note: Only the selected / highlighted wells and their selected/highlighted reports will be printed**

To highlight a **Well**, **click** on it. To remove a **Well** from the **Well List** field, highlight the **Well** and then **click** on the Clear **button**. To remove all **Wells** from the **Well List** field, **click** on the Clear All **button**. Note that these buttons will not remove any of the **Wells** from the database. These buttons will only remove the **Wells** from the list of **Wells** currently available for printing.

4. Select/highlight and/or deactivate any of the reports in the **Reports** field by clicking on them once. To select/highlight all of the reports, **click** on the All **button**. To deactivate all of the reports, **click** on the None **button**.

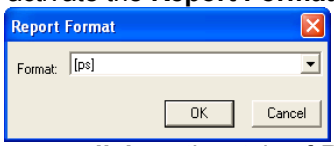
Note: Daily Drilling Summary Report Update… If your **Daily Drilling Summary Report** is not up-to-date or is missing **Progress** and **Average P.R.** (Penetration Rate) data you must select **Print Morning Report** under **File** on the **Selection Bar.** This will activate the **Print Morning Report** window, then exit from the **Print Morning Report** window (without performing any tasks), and return to the **Well End Report** window to printout your newly updated **Daily Drilling Summary Report**.

5. If you are printing **Sample Descriptions**, you may print all or a portion of the descriptions. To print all of the intervals, activate the **All** check box ☑. To print specific intervals only, enter the start and end points, i.e. **Measured Depth** intervals, in the appropriate interval fields and then deactivate the **All** check box ☐.
6. If you are printing the **Title Page**, **click** on the Prepared... **button** and fill in the required information. This information is only used on the **Title Page** of the report.



Note: In order to have the **Formation Evaluation Report** printed out, there are two fields that must be filled in on your **Well Formation** window. These are the **Boundary Type** field and the **Period** field. If these two fields are left blank, the **Formation Evaluation Report** for that **Formation** will not be printed out.

7. **Click** on the Report Format... **button** to activate the **Report Format** window shown below:



8. Using the **Format** field drop down arrow, **click** on the style of **Report Format** that you wish to use. Then, **click** on the OK **button**, when you are finished.

Note: Report Formats are useful when you are printing reports for various clients, who prefer specific **Report Formats**. The formats store reports in their own directories.

9. If you only want to printout a **Table of Contents**, activate the **Table of Contents Only** check box ☑ and then make sure that the reports you want to include on the **Table of Contents** are selected/highlighted.

Note: You can start printing at any page by typing the page number in the **Start Printing at Page #** field.

10. The user has a choice of paginating by section number (18 – 1, 2, 3 etc.), or paginating by section name (Sample Description – 1, 2, 3 etc.). The Table of Contents will reflect these choices if you print the table of Contents with all the reports at the time of printing.
11. The user also now has the choice of paginating the reports continuously pages 1 - infinity, and with this option you can also use the start printing at page # option.
12. **Click** on the Printer Setup... **button** and then select the 8.5” x 11” Portrait paper size.
13. **Click** on the Print **button**.
14. **If you are printing to a disk file** you will then be prompted with a Save As window will pop up. Type in a filename and **click** on the OK **button**. **Power*Log / Core & Curve™** will then attach an extra two (2) characters to the end of your filename--preceding the standard three (3) character file extension. The two (2) characters added by **Power*Suite™** on to the end of the filename that you have typed in are used as a reference by **Power*Suite™** to distinguish which reports are to be included in the file you are creating. Finally, the standard three (3) character file extension following

the dot or period, will be selected according to the file format you selected in the **Disk File Format** field, e.g. **Ascii** documents will use the *.txt file extension.

Note: If you want to print to **MS Word** then please select **the Print to Word option** under the **File pull down menu.** The **Survey views cannot be printed to a disk file or to preview**. They can only be printed to a directly to a printer or to a pdf file format.

Below is a list of the file names that **Power*Log / Core & Curve™** uses to identify different reports for the pdf printer selection. For the file names below you will see the Crystal Reports - before every file name:

Report Name	File Output Name	Report Name	File Output Name
Title Page	wendttle.pdf	Well Abstract	abstract.pdf
Survey Plan View	Survey Plan View.pdf	Survey Cross Section	Survey Cross Section.pdf
Survey Azimuth View	Survey Azimuth View.pdf	Survey User Defined	Survey User Defined.pdf
Survey Multi View	Survey Multi View.pdf	Well Summary	gwellsum.pdf
Daily Drilling Summary	drillsum.pdf	Casing Strings	casing.pdf
Bit Record Summary (IADC)	bittable.pdf	Bit Record Summary (TBG)	bittabdb.pdf
Bit Record Summary	bitrec.pdf	Core Plugs	corplug.pdf
Core Descriptions	fcordsc.pdf	Core Description / Report Core Header	fcortext.pdf
Logging Reports	logging.pdf	Test Reports	test.pdf
Directional Surveys	survey.pdf	Directional Survey Points	survpnts.pdf
Deviation Survey Points	survptss.pdf	Master Survey Group	msurvpnt.pdf
Mud Data	fluid.pdf	Abandonment Plugs	plug.pdf
Formation Tops	tops.pdf	Work Schedule	worksch.pdf
Sample Descriptions	samptext.pdf	Formation Evaluation	formaton.pdf
Sidewall Cores	sidewall.pdf	Sample Description / Tops	fsmptext.pdf
MDT Run	MDT.pdf	Geology Dictionary	geodict.pdf
Table of Contents	wendtoc.pdf		

***The* Morning Report *button, in the upper right corner of the Print Well End Report window, will take you to the Print Morning Report window. ***

Note: Upon closing the **Print Well End Report** window, you will be asked if you want to save the print configuration. If you **click** on Yes **button,** the program will remember every setting that you made to the window and will default to these settings the next time you enter the **Print Well End Report** window.

Print to Preview

1. In the **Print Well End Report** or **Print Morning Report** windows, select "***Preview***" from the **Output** field drop box in the upper left corner of the given window.
2. Select the report you wish to preview by clicking on it and the report will then be highlighted.
3. **Click** on the Print **button** and you will be launched into the **Print Preview** mode, where you will see your report displayed on screen exactly as it will look when it is printed.

Note: You can only preview one report at a time. If numerous reports are highlighted, only the first one on the list will be previewed. Also, you can only printout one report at a time from within the preview mode.

When in the **Preview** mode, you have some tools available to you at the bottom of the screen.

This is the **Zoom** text field. It allows you to zoom in and out of the report to display it in different sizes.

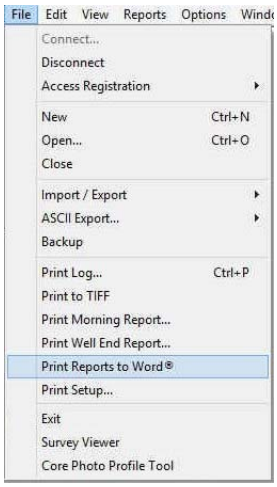
This is the **Print** button. Click on this button to print your previewed report to paper.

This is the **Export** button. It lets you reproduce the report to another file format.

To exit from the **Preview** mode without printing, simply click on the **Close** button at the bottom of the **Print Preview** window.
You are able to view multiple page reports by using the navigational tools(similar to the **Database Navigational Tools**), at the lower left side of the **Print Preview** screen:

First Page
Last Page
One Page Forward
One Page Backward

Print "Well End and AM" Reports to Word Format

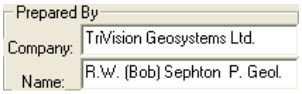


This printing method will facilitate the printing of the Geological reports to MS Word format. They are formatted identical to the Crystal Reports. This new generation of reports should be easily reformatted after the printing process to customized to other formatting requirements.

1. **Click** on **Print Reports to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window shown below. The user can also click on the Shortcut button located on the toolbar.

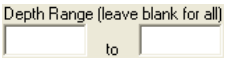
Overview of Well End Reports Tab Window

Prepared For Fields are to be filled in for the Title page report. Type in the Company Name you are working for in the company field and the Person's name you are working for or is receiving the reports in the Name field



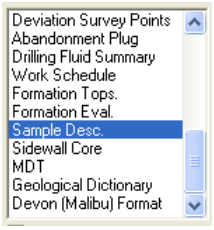
Prepared By Fields are to be filled in for the Title page report as well. Type in your Company Name in the company field and your name in the Name field

This field defaults to the well that is open when you enter into this application. The user can utilize the drop arrow to pick any well they have in their database.

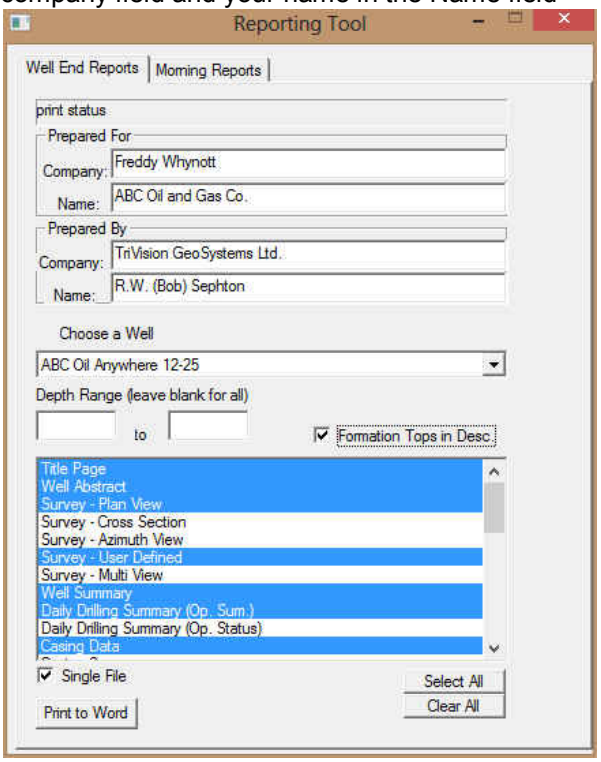


The Depth Range fields are available to print a portion or depth interval of the Sample or Core descriptions as well as Devon Malibu Format Moring Reports. Leave these fields blank to print them all.

Activate this check box if you want to include the Formation tops in the Sample or Core Descriptions report.



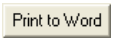
This field gives the user to identify which well end reports they would like to print and they can also identify multiple reports to print at once. Click on the report name to activate or highlight the report to be printed and Click again to deactivate the report. Scroll through the list to identify which reports you wish to print.



Activate this check box if you wish to print multiple reports to a single file. Or conversely deactivate this check box if you want multiple files created.

This button will highlight all the reports and you can activate the reports you do not wish to print.

This button will deselect all the reports and you can activate the reports you wish to print.



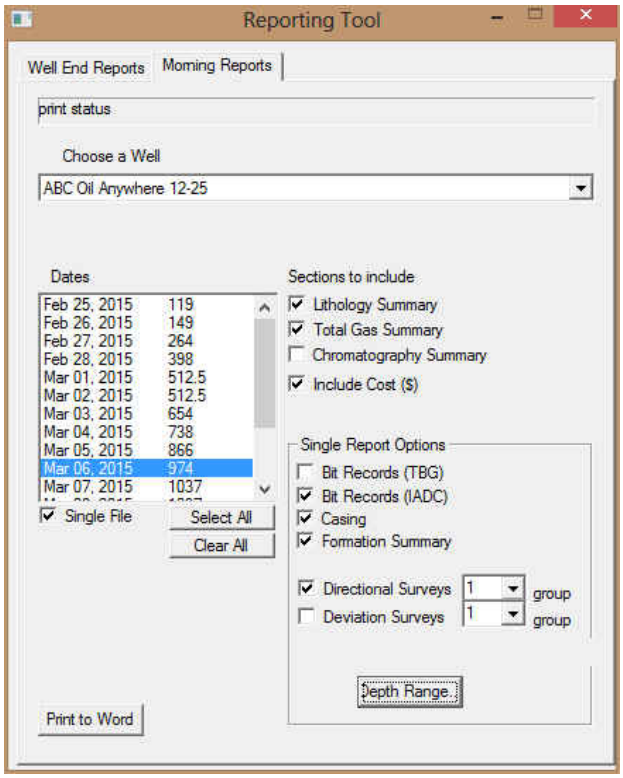
This button will activate the printing process and create either single or multiple files. The documents created will be Document 1 Document 2 etc.

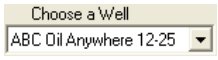
How to Print Well End Reports to MSWord.

(refer to page 137 in the User Manual)
(On-line help press F1 key on keypad)

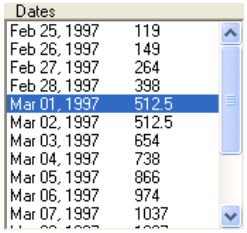
1. **Click** on **Print Report to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window. The user can also **click** on the shortcut **button** located on the toolbar.
2. **Choose** the **well** you wish to create a report for from the selection box if the default well is not the one you want to print.
3. Highlight the reports you wish to print in the **Reports** field by clicking on them once. To select/highlight all of the reports, **click** on the Select All **button**. To deactivate all of the reports, **click** on the Clear All **button**. . **If you are printing sample or core Descriptions select if you wish to print tops or all the descriptions**.
4. **Click** on the Print to Word **button** to create the reports. This will activate your copy of MS Word application and you can view, customize and save these reports.

Overview of Morning Reports Tab Window

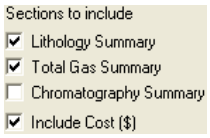




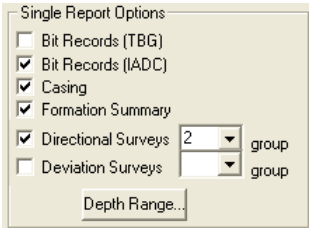
This field defaults to the well that is open when you enter into this application. The user can utilize the drop arrow to pick any well they have in their database.



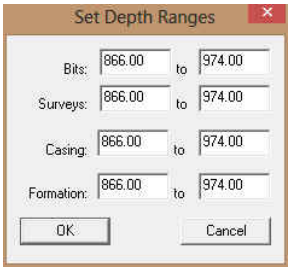
The **date field** gives the user the ability to identify which Morning reports date they would like to print. The user has the ability to print one or more report dates. Select or deselect them by clicking on them once.



This identifies which portion of the report they would like to print. The choices will be activated with a check box. This information is entered into the Morning reports located under the Reports pull down menu in Power*Log / Core or Curve.



This gives the user the ability to pick and choose which of the Well End reports they would like to include with the printed am report. They include Bit records Casing Formations and Surveys. All these records default to the depth interval from the previous morning report but can be modified by the user.



Click on the Depth Range... to activate the Set Depth Ranges window so the user can decide what ranges of well end report data to include with the AM report printing. The default is the depth from the previous Am report and the one you have selected to print.

Single File Activate this check box if you wish to print multiple report dates to a single file. Or conversely deactivate this check box if you want multiple files created.

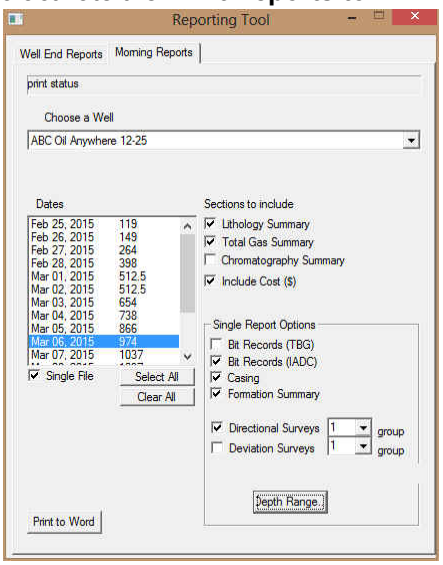
Select All This button will highlight all the am report dates.

Clear All This button will deselect all the am report dates.

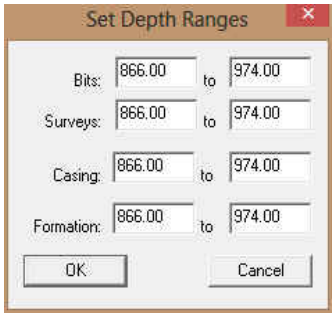
Print to Word This button will activate the printing process and create either single or multiple files. The documents created will be Document 1 Document 2 etc.

How to Print AM Reports to MSWord.

(refer to page 139 in the User Manual)
(On-line help press F1 key on keypad)



1. **Click** on **Print Report to Word**, under the **File** menu selection, to activate the **Print Reports to Word** window. The user can also **click** on the shortcut **button** located on the toolbar.
2. **Click** on the **Morning Reports tab** to activate that portion of the window.
3. **Choose** the **well** you wish to create a report for from the selection box if the default well is not the one you want to print.
4. **Highlight** the **report dates** you wish to print in the Dates field by clicking on them once. To select/highlight all of the reports, **click** on the Select All **button**. To deactivate all of the reports, **click** on the Clear All **button**.
5. **Select** the **report options** from the appropriate check boxes.
6. **Select** from the Single Report Options which data from the **well end reports** you would like to include in this printed AM report.
7. If you have selected some Well End report data to be included with the AM report printing and you would like to change the default depths to search for a different interval of data then you would **Click** on the Depth Range... **button** to activate the window and change the depths accordingly.



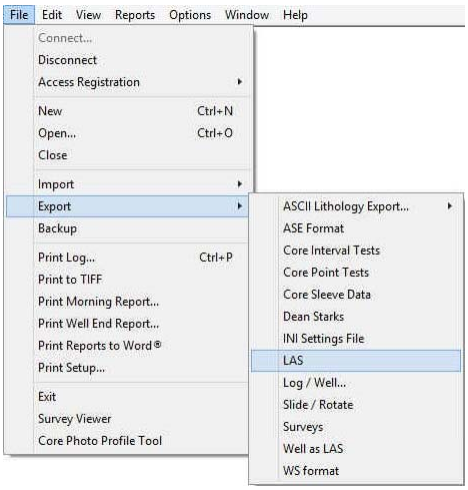
8. **Click** on the OK **button** to return to the main window.
9. **Click** on the Print to Word **button** to print the AM report to word format. This will activate your copy of MS Word application and you can view, customize and save these reports.

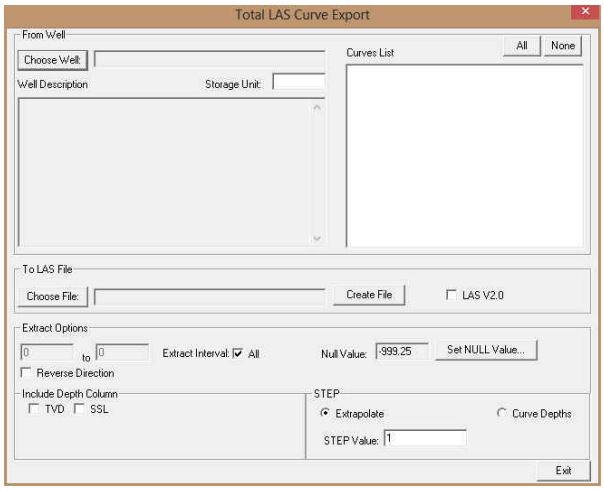
Export LAS Data

(refer to page 114 in the User Manual)
(On-line help press F1 key on keypad)

The Power*Suite LAS Export Utility program can be accessed through the Power*Suite folder and facilitates the export of Power*Suite curve data into an LAS File.

1. Under the **File** menu selection, **click** on **Export**, **click** on **LAS.** You can also select the Icon on the Export toolbar. This will activate the **LAS Export window**.

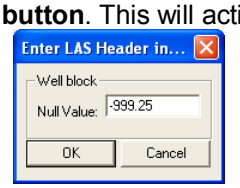




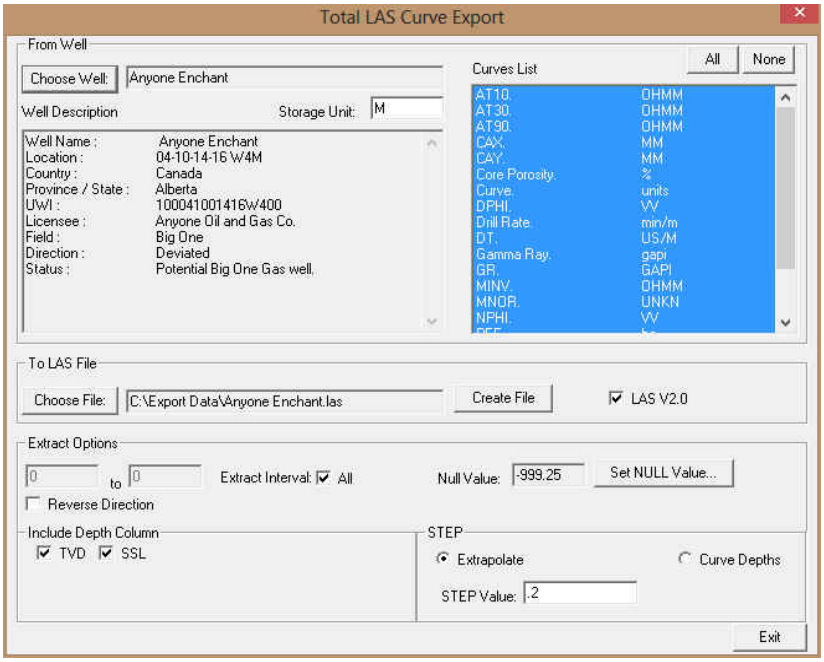
2. **Click** on the Choose Well **button**. This will activate a list of all the wells in your Database.
3. Select the well you wish to export your LAS Curve data for by **clicking on the well name** and then **clicking on the** Select **button or** by **double click on the well**. You should now see your well name in the field beside the Choose Well **button**. Also, you should see a list of curves in the **Curve List** field. An example of this is shown on the next page.
4. **Click** on the Choose File **button** and **type in a file name** and path for that file in the window. **Click** on the OK **button** when you have done.
5. ☐ LAS V2.0 The user can export **Version 2 (checked) or Version 3 file format (unchecked).**
6. Select the Curves you wish to create a file for by **click on the curve name** in the Curve name field **or** by **clicking** on the All **button** to select all the curves.
7. **Select the step type** you wish to use for the export.

Extrapolate will give you the best incremental data utilizing a constant step extrapolating the data to replicate this constant step. The **Curve depths** selection will merge the curves (if more than one curve is selected) and will export the data as it has been collected into the database.

8. **Type** in an appropriate **step** (depth increment) or utilize the default 1 m depth increment.
9. **Optional** Type in an interval in the From and To fields and deselect the Extract Interval All check box if you wish to export just a portion of the curve data.
10. **Optional** If the user wishes to Change Null Value.
    a. **Click** on the Set NULL Value... **button**. This will activate a Null Value window.

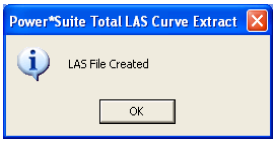


    b. Type in another Null value if the default null value of –999.25 is not what you want for a null value and then **click** on the OK **button**.
11. **Optional** Select the reverse direction check box if you want the data in descending order.
12. **Optional** Select the other depth units other than (MD) Measured Depth (default) to be included with your LAS file. **Click** on one or both of the **check boxes** ☑ TVD ☑ SSL beside the other such selections as (TVD) True Vertical Depth or (SSL) Subsea Level.



13. **Click** on the Create File **button**. This will activate a LAS file generation window indicating which curves are being exported. Then the process amalgamates all the curve data into a single LAS File. When the file generation has been completed a System Message will be generated.

Note: There may be a message box encountered during this process indicating some of the curves selected have no data. You will have a choice of not including these curves in the LAS Export file.



14. Once the File has been created acknowledge the ensuing message by **clicking** on the OK **button**.

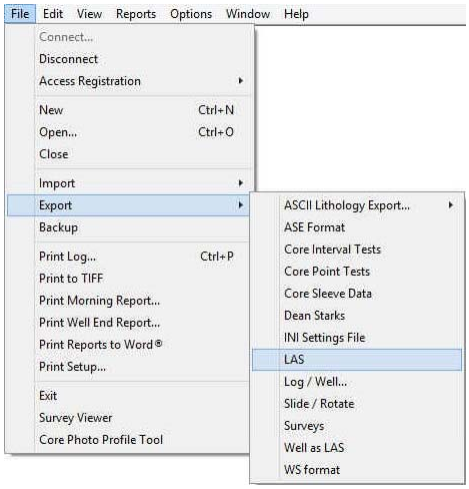
Export Well Data as an LAS File

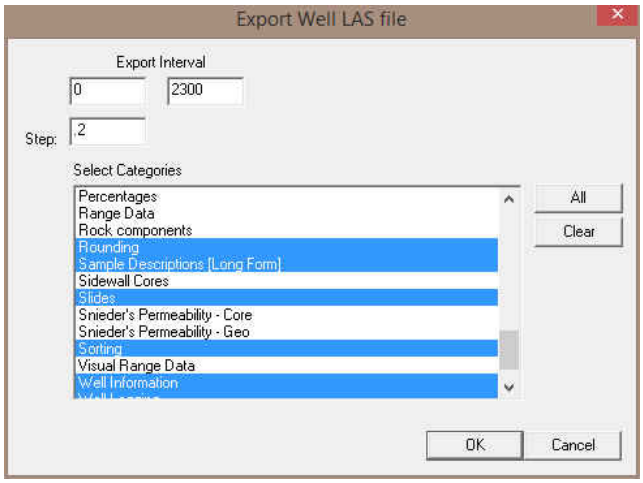
(refer to page 123 in the User Manual)
(On-line help press F1 key on keypad)

This utility exports all your well data including curve data from your database in LAS Version 3 format.

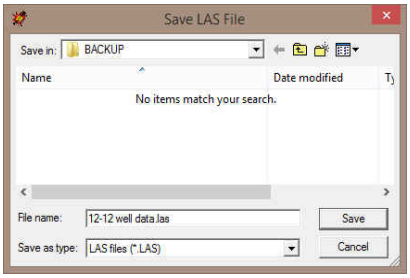
Exporting LAS Well Data

Click on **Export** under **File** to activate the pop-out menu and then **select Well as LAS**. You can also select the LAS well Icon on the Export toolbar. This will activate the Export Directional Surveys window.





1. **Click** on the **Data Types** you want in the LAS File. The data types highlighted will be included. You can turn on / off the highlight by clicking on the data types.
2. **The** All **button** will select all the data categories **and the** Clear button will deselect all the data categories.
3. **Click** on the OK **button.** This will activate a Save LAS File Name window.

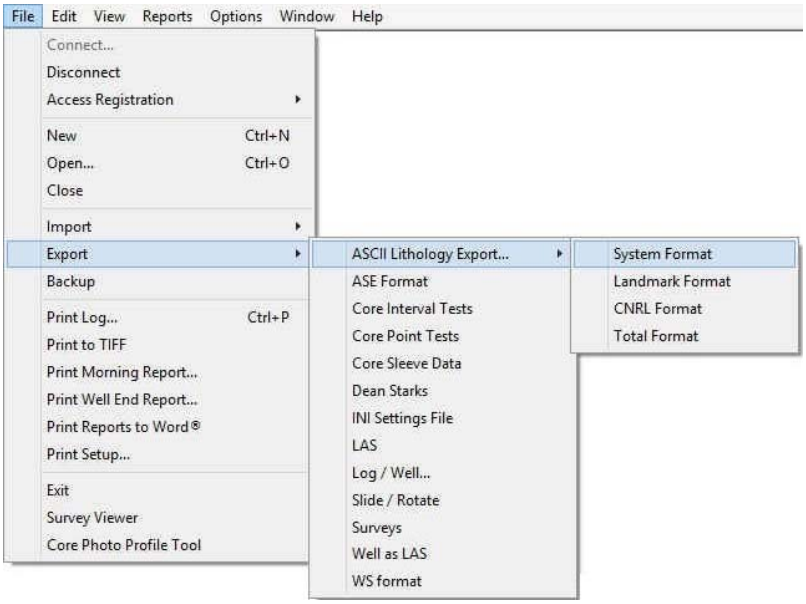


4. Type in a file name and select the drive and directory you wish the survey to be exported to. Then, **click** on the Save **button**. Your file name will be created in the folder you directed it to.

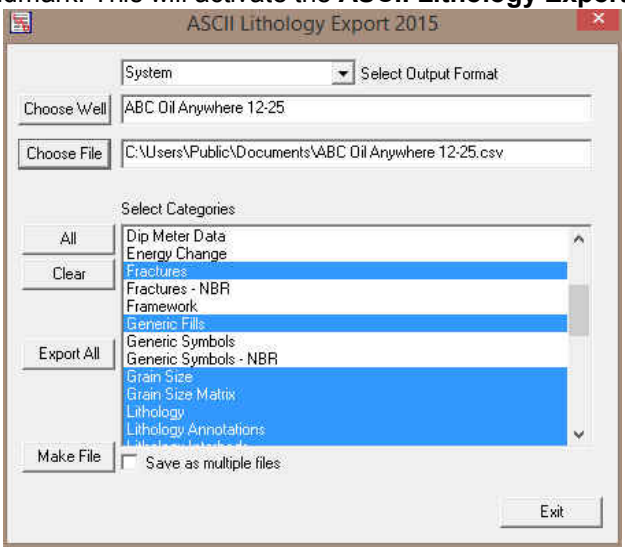
Export ASCII Well Data

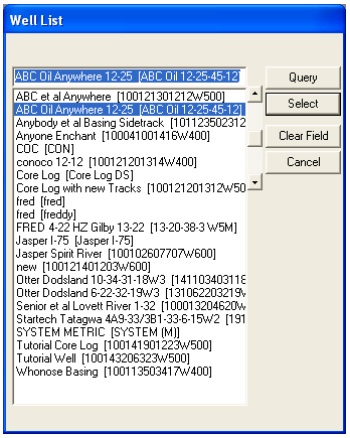
(refer to page 106 in the User Manual)
(On-line help press F1 key on keypad)

This utility will create ASCII files, or comma delimited files of certain lithology data types (other than curves) for any well in the database. The utility can create a single file of the chosen data categories or multiple files with the same file name entered and their own file extensions. The file types and file extensions are listed at the end of this section.



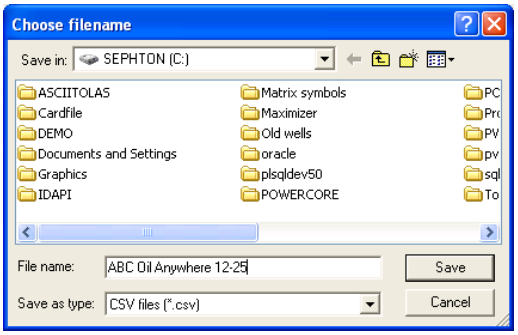
1. The first step in creating an ASCII or comma delimited file(s) is to **select Export** from the **File** menu selection. Then, select **ASCII Lithology Export** from the ensuing pop-out menu. Then, select the file format you wish to export the data into. We have tailored our ASCII files to be compatible with Landmark. This will activate the **ASCII Lithology Export** window.



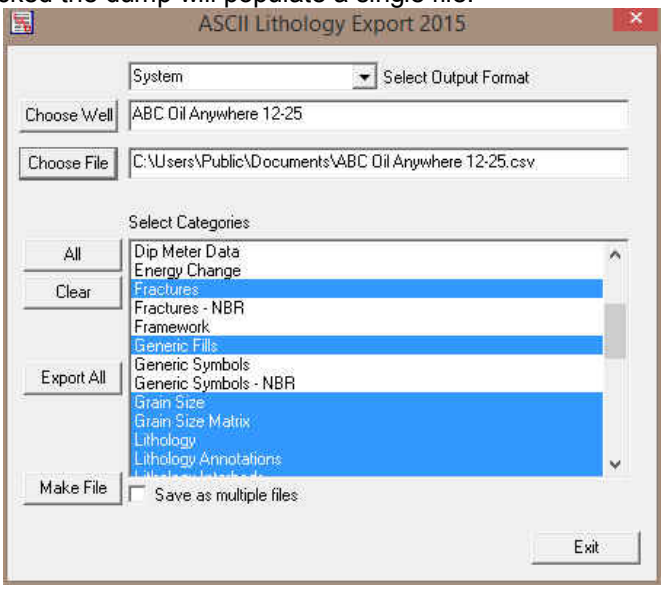


2. The user can select the file format for the ASCII Lithology Export by clicking on the Select Output format arrow and selecting the file from the output list. This will place your selection in the file format field.
3. **Click** on the Choose Well **button** to activate the Well list window. This will activate the **Well List** window.
4. Select the well by **double clicking** on the **Well Name / UWI that** you wish to make a ASCII Lithology Export for. The user can also **click** on the **Well Name / UWI** to highlight it and then **click** on the Select **button**. This selection will then be populated in the Well field in the Log Dump window.

5. **Click** on the Choose File: **button** and this will activate the **Choose filename** window.

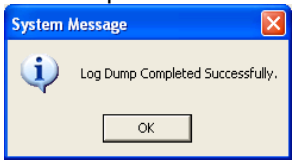


6. Type in a file name and select the drive and directory you wish the file(s) to be exported to. Then, **click** on the Save **button**. This will fill in the Choose file field in the Log Dump window with the drive, directory and file name.
7. **Select** the data types you wish to populate your ASCII lithology export file(s) with by **clicking** on **them once** to make them highlighted. The user can deselect the data types by clicking on them again. Also, the user can **click** on the All **button** to select all the data categories or **click** on the Clear **button** to clear all your selections.
8. If you want only one data type in each file created click on the **Save as multiple files** check box ☑. If deselected or unchecked the dump will populate a single file.



N.B. If the user wishes to export all the wells in your database at one time you must first create a folder to accept the ASCII file dump and then click on the Export All button.

9. **Click** on the Make File **button** to initiate the export. This will activate a System Message.



10. **Click** on the OK **button** to acknowledge the message.
11. **Click** on the Exit **button** to escape the Log Dump window or repeat steps 3-6 to create another set of ASCII Data Files.